



# PolyLC INC.

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## Material Safety Data Sheet: Coated Silica

**Chemical names and synonyms:** Silica gel; silicon dioxide.

**Uses:** Coated silica is intended for packing columns for use in chromatography.

**Composition:** Amorphous silica with polymeric coatings.

**Chief hazard:** Inhalation. Avoid inhaling products containing microparticulate amorphous silica; it dries and irritates mucous membranes and respiratory passages. Elevated exposure over long term can lead to silicosis. The occupational exposure standard for amorphous silica is as follows:

	<u>8 hr TWA ref period</u>	<u>10 min TWA ref period</u>
Total inhalation dust	6mg/m <sup>3</sup>	---
Respirable dust	3mg/m <sup>3</sup>	---

**Handling:** To avoid inhaling, handle material in a fume hood. Follow Good Laboratory Practices.

**Fire Hazard:** Silica is not a fire hazard. The polymeric coatings could burn briefly; avoid breathing any resulting gases.

**Reactivity:** No hazards known.

**Spill Clean-up:** Use a vacuum cleaner if available. If not, sweep up using respiratory protection. May be discarded in a landfill.

**First aid:** Eyes: Irrigate with water to remove particles.

Skin: Silica tends to dry skin; wash with soap and water.

Inhalation: Blow nose to expel particles.

Ingestion: Spit out and wash mouth with water.

If irritation persists, consult a physician.